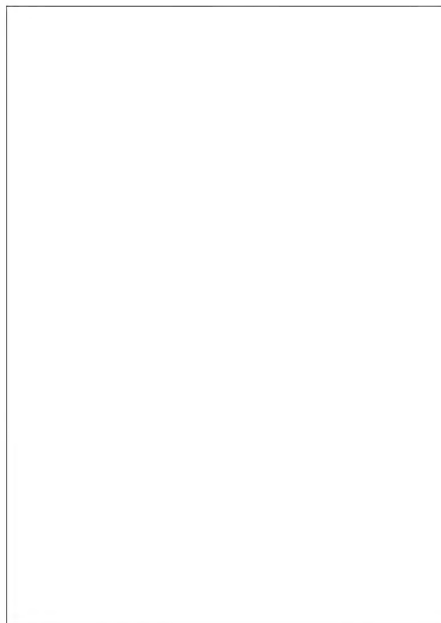


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**NPIC DATA SYSTEM
DATA AND CONTROL SEGMENT
ACQUISITION PHASE**

**APPENDIX B4
RFP COMPLIANCE MATRIX**



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24 February 1982

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**NPIC DATA SYSTEM
DATA AND CONTROL SEGMENT
ACQUISITION PHASE**

**APPENDIX B4
RFP COMPLIANCE MATRIX**



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24 February 1982

This data, furnished in connection with Request for Proposal 82-B-015 as amended, shall not be disclosed outside the Government and shall not be duplicated, used, or disclosed in whole or in part for any purpose other than to evaluate the proposal. If a contract is awarded to this offeror as a result of or in connection with the submission of this data, the Government shall have the right to duplicate, use, or disclose the data to the extent provided in the contract. This restriction does not limit the Government's right to use information contained in the data if it is obtained from another source without restriction.



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APPENDIX B4

RFP COMPLIANCE MATRIX

We have fully complied with the D/C Segment Acquisition Phase RFP. This appendix is provided to assist the Government in determining evaluating this proposal in accordance with the RFP requirements.

A compliance Matrix for Proposal Volumes II through V is included. The Matrix lists proposal preparation instructions and evaluation criteria, and identifies the proposal sections and appendices that address that requirement.

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Volume II

Section: 2. Requirements Analysis

	PROPOSAL SECTION NUMBER
Proposal Preparation Instructions	
A. Analysis	
The approach to and the results of a formal requirements analysis effort must be presented.	2.1, 2.1.3
The methodologies and tools used must be discussed.	2.1.1, 2.1.2
The contractor must demonstrate a solid understanding of the BOC, IOC, and FOC requirements.	2.1.3
The contractor should identify significant missing or incomplete requirements or critical TBRs/TBDs that require immediate resolution.	2.2
The key performance and functional requirements must be identified, discussed and related to architecture and design consideration.	2.1.4
B. Requirements Issues	
The contractor must discuss significant requirements issues including significant TBRs/TBDs which may impact cost, schedule or performance.	2.2
The contractor is encouraged to suggest changes to any requirements or effectivities that would lead to a significant improvement in program schedule or cost.	2.2
C. Requirements Assumptions	
The contractor must clearly and comprehensively state all requirements related assumptions which have impacted the architecture, design or transition and discuss the significant effects of those assumptions.	2.3

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Volume: II

Section: 20.1.1.1 Requirements Analysis (Section 2)

Proposal Evaluation Criteria

PROPOSAL
SECTION
NUMBER

20.1.1.1 Requirements Analysis

The extent to which the contractor displays a clear understanding of the D/C segment and NDP system requirements.

2.1.3, 2.1.4

The extent to which the contractor has displayed a rational, clear, and comprehensive analysis of the requirements.

2.1

The extent to which the contractor has clearly identified and justified the segment driving functional and performance requirements.

2.1.4

The extent to which the contractor has identified missing or incomplete requirements, requirements or their effectivities which should be modified for the good of the program or critical TBRs/TBDs which must be resolved early.

2.2

The completeness and adequacy of the traceability of requirements.

2.1.2,
Appendix A3**UNCLASSIFIED**

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Volume: II

Section: 3 Operational Concepts

	PROPOSAL SECTION NUMBER
Proposal Preparation Instructions	
A. Explanation Concepts	
The contractor must present a clear and comprehensive understanding of the sponsor's environment and tasking, particularly the external interfaces, timeliness and workload.	3.1 3.1.1 3.1.7
The proposal must clearly describe concepts for exploitation which will be responsive to this tasking.	3.1.1
Topical reporting,	3.1.4
search,	3.1.5
softcopy support,	3.1.3
collateral support and	3.1.6
other major functional exploitation concerns should be addressed.	3.1.6
The role of the D/C segment in the support of these concepts must be clearly presented.	3.1.2
The contractor must demonstrate a clear understanding also of the roles and scope of the E/R, C/I and C/S segments.	3.1.2 3.2
B. Intersegment Interface Concepts	
The contractor must clearly present his concepts and his preferred approach to the intersegment interfaces and relate these to the System concept, other segment roles, intersegment compatibility and the D/C segment role as the user interface.	3.2 3.2
Command and control concepts, standard query language approaches, security and intersegment protocols, as a minimum, must be discussed.	3.2
C. Integrated Work Station	
The contractor must clearly and comprehensively design the Integrated Work station role and functional concepts for support of the exploitation process.	3.3
Emphasis should be placed on human engineering, productivity and intersegment considerations.	3.1.7 3.2, 3.3

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Volume: II

Section: 20.1.1 (Section 3)

Proposal Evaluation Criteria

PROPOSAL
SECTION
NUMBER

20.1.1.2 Operation Concepts

The adequacy of the contractor's understanding of the problem to be solved, understanding of the external interface and	3.1, 3.1.1 3.1.2
timeliness and concepts for the exploitation process.	3.1.3 - 3.1.6
 The clarity and adequacy of the contractor's concept of the D/C segment's role in the exploitation process and the degree to which these concepts, enhance Imagery Analyst productivity.	 3.1.7
The adequacy and reasonableness of the contractor's intersegment interface concepts particularly in the area of communications, work station processes and interactions, data base query, data base synchronization, reports generation and command and control.	3.2 3.3
 The realism and cost effectiveness of the concepts for staffing to support D/C operation.	 3.1.7

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Volume: II

Section: 4 Architecture

	PROPOSAL SECTION NUMBER
Proposal Preparation Instructions	
A. Analysis	4.1
The contractor must discuss the architecture selection process	4.1
specifically addressing the role of key requirements, alternative architecture considered, and	4.1.1 4.1.2, 4.1.3 4.1.4, 4.1.5
the analytical process used to focus to the desired architecture and	4.1 4.2.1, 4.2.2
the criteria that were used in that process.	4.1, 4.2.1, 4.2.2
B. Recommendation	4.2
The contractor must describe the recommended architecture and	4.2.3 4.1.4
present a clear and comprehensive justification for its selection.	4.2.1 4.2.2
Trade studies and analysis must be presented. Evolutionary growth concepts and plans must be discussed.	4.2.1, 4.2.2 4.2.3, 4.2.1

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Volume: II

Section: 20.1.1 (Section 4)

Proposal Evaluation Criteria

PROPOSAL
SECTION
NUMBER

20.1.1.3 Architecture

4.0

The extent to which the contractor demonstrated a comprehensive and convincing analysis leading to the recommended architecture.

4.1

4.2.1

4.2.2

Emphasis will be placed on the appropriateness of the trades, analyses and extent of the justification for the final selection.

4.2.1

4.2.2

The extent to which the architecture is responsive to the segment requirements

4.2.3

with emphasis on ease of transistion reliability, maintainability and availability consideration.

4.2.1

4.2.2, 4.2.3

The extent of the evolutionary growth potential for the chosen architecture.

4.2.3

The degree and type of flexibility offered by the recommended architecture.

4.2.3

The effectiveness with which the architecture satisfied the inter-segment interface concepts.

4.2.3

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Volume: II

Section: 5. Design

Proposal Preparation Instructions	PROPOSAL SECTION NUMBER
A. Driving Requirements	
The contractor must discuss the key segment requirements and assumptions which have shaped the recommended design.	5.1
Rationale and justification for selection as driving requirements must be presented.	5.1
B. Design	
The contractor must describe the rationale and justify the requirements allocations by functional requirements groupings.	5.2.1
The resulting design shall be presented in overviews at the segment level and expanded to more detail in the discussion below.	5.2
The contractor must show that all functional requirements will be met with this design.	5.2.1*
BOC,	5.2*
IOC and	5.2*
FOC design must be clear.	5.2*
Performance budget allocations must be discussed.	5.2.1
The extent to which proven technology concepts have been used in the design must be addressed.	5.2.2
Unique design features which minimize the impact of hardware failure,	5.2.2
facilitate testing,	
increase productivity,	5.2.2
facilitate software maintenance,	5.2.2
reduce risk,	5.2.2
minimize cost, etc., should be discussed.	5.2.2

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Volume: II

Section: 5. Design

	PROPOSAL SECTION NUMBER
Proposal Preparation Instructions	
C. Hardware	
The contractor must present the BOC,	5.3.1
IOC and	5.3.1
FOC hardware configuration in additional detail with appropriate justification.	5.3.1
Top level Configuration Item (CI) performance specifications must be presented.	5.3.2
RMA impacts on the hardware design must be made clear.	5.3.1
D. Software	
The contractor must present the BOC, IOC, and FOC software configuration in additional detail with	5.4*
appropriate identification of and justification for all Computer Program Configuration Items (CPCI) and	5.4.1
adequate rationale for the placement of CPCIs within CIs.	5.4.2
The selection of the development language(s) to be used must be justified.	5.4.3
Software sizing (LOC) data by CPCI and project phase must be supplied.	5.4.1
The extent of retained baseline software must be made clear.	5.4.1
E. Data Base	
The contractor must clearly present the data base design and	5.5
must discuss data requirements and relationships, major files, file structure, file sizing and	5.5.1
the data base management capabilities required to meet the D/C requirements.	5.5
Data Base Management System (DBMS) selection criteria and justification of the preferred DBMS must be presented.	5.5.3
Data integrity issues,	5.5
query capabilities, and	5.5.3
archival consideration must be discussed.	5.5

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Volume: II

Section: 5. Design

	PROPOSAL SECTION NUMBER
Proposal Preparation Instructions	
F. Operations	
The contractor must discuss the staffing requirements imposed by the design and	5.6
must clearly present the philosophy, rationale and capabilities provided for segment operation.	5.6
Position descriptions,	5.6
training,	5.6
maintenance and	5.6
system management must be addressed.	5.6
G. User Capabilities	
The contractor must clearly and comprehensively discuss the functional capabilities provided for the user.	5.7
Productivity consideration must be addressed.	5.7
User capabilities in BOC,	5.7
IOC, and	5.7
FOC time frames must be made clear.	5.7
H. Integrated Work Station	
The design of the Integrated Work Station must be clearly presented with emphasis on intersegment interface impacts, human engineering, communications and growth potential.	5.8*
Alternatives considered and a comprehensive justification for the preferred approach must be presented.	5.8.1
Software impacts related to the eventual addition of increased numbers of stations up to the FOC configuration must be discussed.	5.8
I. Interfaces	
The contractor must discuss both intrasegment and intersegment interface design	5.9*
and present rationale for the design.	5.9.3

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Volume: II

Section: 5. Design

Proposal Preparation Instructions

PROPOSAL
SECTION
NUMBER

J. Security

The contractor shall specifically address the design
relative to intrasegment and

5.10

intersegment security requirements.

5.10

* Criteria addressed at high level, supporting detail distributed
throughout Section 5.

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Volume: II

Section: 20.1.1 (Section 5)

Proposal Evaluation Criteria	PROPOSAL SECTION NUMBER
20.1.1.4 Design	
The clarity, completeness and reasonableness of the allocation of segment requirements into the design	5.2
the clarity and credibility of performance budget allocations.	5.2.1
The clarity and completeness of the design (BOC, IOC, FOC).	5.2*
The technical merit of the design with emphasis on performance,	5.2*
human engineering,	5.2*
simplicity,	5.2*
transition impact,	5.2*
communications,	5.2*
data base, and	5.2*
inter-segment interfaces.	5.2*
The degree to which the design was successfully substantiated as meeting key driving functional requirements.	5.1
The maturity of the design such that cost/schedules estimates are realistic	5.2*
with emphasis on risks being adequately understood,	5.2.2
design issues recognized and addressed and	5.2.2
the planned use of proven concepts and technology.	5.2.2
The extent and nature of the risk inherent in the proposed design.	5.2.2
The clarity, comprehensiveness and degree of ingenuity expressed in the Integrated Work Station design	5.8
with special emphasis on the satisfaction of intersegment operations concepts and interfaces and	5.8
the degree of human engineering employed to provide a desirable user interface.	5.8
The effectiveness of the design in maximizing the operability and maintainability of the segment.	5.2*
* Criteria addressed at high level, supporting detail distributed throughout Section 5.	

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Volume: II

Section: 6. Design Validation

Proposal Preparation Instructions

PROPOSAL
SECTION
NUMBER

A. Methodology

The contractor must clearly and completely describe the tools and methodologies used in the validation of segment performance.

6.1.1, 6.2.1
6.3.1, 6.4.1

Emphasis should be placed in the appropriateness of and previous experience with these tools and methodologies.

6.1.1, 6.2.1
6.3.1, 6.4.1

B. Analysis

The proposal must clearly and comprehensively state the objectives,

6.1.2, 6.2.2
6.3.2, 6.4.2

assumptions, inputs and

6.1.2, 6.2.2,
6.3.2, 6.4.2

processing activity accomplished in the validations of segment performance.

6.1.2, 6.2.2,
6.3.2, 6.4.2

C. Results

The results of the segment performance analysis must be clearly and concisely stated and must clearly demonstrate that the proposed design will meet segment performance requirements.

6.1.3, 6.2.3
6.3.3, 6.4.3

Performance sensitivities, performance issues and any further studies required must be completely discussed.

6.1.3, 6.2.3
6.3.3, 6.4.3**UNCLASSIFIED**

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Volume: II

Section: 20.1.1 (Section 6)

Proposal Evaluation Criteria

20.1.1.5 Design Validation

The extent to which the contractor demonstrates a clear and comprehensive methodology for the analysis of segment performance.

The clarity, traceability and technical adequacy of the segment performance analysis

with special emphasis on model validation,

driving requirements traceability and

key assumptions.

The degree to which the design was successfully substantiated as meeting key performance requirements.

The clarity, completeness and validity of the RMA analysis, conclusions and impact on segment design.

PROPOSAL
SECTION
NUMBER

6.0

6.1.1, 6.2.1

6.1.2, 6.2.2

6.2.2

6.1.2, 6.1.3

6.2.2, 6.2.3

6.1.2, 6.2.2

6.2.3

6.4

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Volume: II

Section: 7 Risk Analysis

Proposal Preparation Instructions

PROPOSAL
SECTION
NUMBER

A. Risk Identification 7.1

The contractor must demonstrate to the sponsor that a thorough and open study of risks for BOC, IOC, and FOC has been conducted, that the rationale applied was reasonable and that all areas of unusual risk have been identified.

7.1

Key development items must be identified and their risks addressed.

7.1

B. Risk Reduction Program 7.2

The contractor must clearly and comprehensively describe the approach and specific plans for reducing the risks identified above.

7.2.1, 7.2.2
7.2.3, 7.2.4
7.2.5

A reasonable and sufficient program of risk reduction with specific objectives and schedules must be presented.

7.2.1, 7.2.2
7.2.3, 7.2.4
7.2.5**UNCLASSIFIED**

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Volume: II

Section: 20.1.1 (Section 7)

Proposal Evaluation Criteria

20.1.1.6 Risk Assessment

The extent to which the contractor has demonstrated a sound technical risk assessment program and has sufficiently and adequately identified the key program risks.

The clarity, completeness and reasonableness of the contractor's planned risk reduction program.

PROPOSAL
SECTION
NUMBER

7.0

7.1

7.2.1, 7.2.2

7.2.3

7.2.4, 7.2.5

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Volume: II

Section: 8 Transition

Proposal Preparation Instructions	PROPOSAL SECTION NUMBER
A. Plans and Schedules	8.0, 8.1
The proposal must reflect a thorough, clear and traceable transition plan and schedule.	8.1.1, 8.1.2 8.1.3
Responsibilities,	8.1.1, 8.1.2 8.1.3
issues, dependencies,	8.1.1, 8.1.2
user and operational impacts, and	8.1.1, 8.1.2 8.1.3
intrasegment considerations, as a minimum, must be addressed.	8.1.1 8.1.2
All phasing must be clearly described and justified.	8.0, 8.1
An overview of the transitions must be presented.	8.1
B. Software	8.2
The contractor must expand the overview and clearly describe the detailed plans for transitioning the software through BOC, IOC, and FOC.	8.1.1, 8.1.2 8.1.3 8.2
C. Hardware	
The contractor must expand the overview and clearly describe the detailed plans for transitioning the data base through BOC, IOC, and FOC.	8.1.1, 8.1.2 8.1.3 8.4
Plans for maintaining data currency, recovery procedures, and data integrity must be discussed.	8.4
E. Communications	8.5
The contractor must discuss plans for transitioning the communications, interfaces (non-user terminal) through BOC, IOC, and FOC.	8.5
F. Terminals	8.6
The contractor must discuss the transition of the Delta Data 5600 terminals and associated communications equipment, data paths and software and the introduction of new terminals through BOC, IOC, and FOC.	8.1.1, 8.1.2 8.1.3 8.6

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Volume: II

Section: 20.1.1 (Section 8)

Proposal Evaluation Criteria

PROPOSAL
SECTION
NUMBER

20.1.1.7 Transition

The clarity, completeness and soundness of the transition plan and schedule with emphasis on the BOC and the rationale for any incremental deliveries.

8.1.1, 8.1.2
8.1.3

The clarity of the software and hardware transition and the degree to which the transition plan minimizes throwaway software, facility impacts and system outages.

8.2, 8.3

The degree to which the transition minimizes impacts on users.

8.1.1, 8.1.2
8.1.3, 8.3

The clarity and completeness of the data base transition plans and demonstrated understanding of the risks involved.

8.4

The clarity, completeness and reasonableness of the communication and user terminal transitions.

8.5

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Volume: II

Section: 9. GFE Requirements

Proposal Preparation Instructions

PROPOSAL
SECTION
NUMBER

For each of the following areas of concern the contractor must list specific requirements for Government furnished equipment, services, or facilities. Delivery schedules and potential impacts if not provided must be stated.

9.0

A. Software

9.0

B. Hardware

9.0

C. Communications

9.0

Specifically address LAN/BIU requirements for the development facility.

D. Data

9.0

E. Documents

9.0

F. Services

9.0

G. Other

9.0

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Volume: II

Section: (Section 9)

Proposal Evaluation Criteria

GFE Requirements

No evaluation criteria was presented.

PROPOSAL
SECTION
NUMBER

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Volume: II

Section: 10. Alternate Technical Approaches

Proposal Preparation Instructions

PROPOSAL
SECTION
NUMBER

All offeror recommendations which will provide the sponsor with technical options for meeting the milestone requirements faced by the D/C segment shall be consolidated in this section. Reference to other technical proposal sections should be made where appropriate.

10.0

- A. Delay implementation of the wide band IWS capability until System FOC. Preacquisition planning and system engineering activities for this capability may begin prior to BOC; however, acquisition award for the FOC capability will be no earlier than 1 October 1984.

10.0

Under this option the government would furnish all required IOC Terminals (Delta Data with modifications as defined by the contractor) or the contractor may furnish the narrow band capability IOC terminals of his choosing, in either event to cost no more than including development cost.

10.0

- B. The government is considering the installation of a Univac 1100/8X (X=1, 2) as a maintenance support processor in FY83 to meet the operational needs of NPIC. The contractor is to consider the use of only the existing 1100/84 with an 1100/8X (or its equivalent) to support NPIC operations until after IOC. The sizing of the 1100/8X (or its equivalent) shall be defined by the contractor.

10.0

In developing this option, the contractor shall specifically address the use of shared processor resources for both contractor development and NPIC operational maintenance support.

10.0

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Volume: II

Section: 20.1.1 (Section 10)

Proposal Evaluation Criteria

PROPOSAL
SECTION
NUMBER

20.1.1.8 Alternate Technical Approaches

10.0

The degree of risk and/or cost reduction effectiveness
of the alternate technical approaches to meeting the
D/C segment requirements.

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MANAGEMENT PROPOSAL

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Volume: III - Management

Section: 2. Corporate Commitment

	PROPOSAL SECTION NUMBER
Proposal Preparation Instructions	
A. Corporate Structure	
The proposal must reflect an accurate corporate organizational structure and	2.1
must reflect clearly the relation of the D/C Segment program within the Corporate structure for the prime and all principal subcontractors	2.1
B. Corporate Support	
The proposal must clearly present the plan for corporate support to the project.	2.2
Corporate and program responsibilities, reporting methods, reviews, problem detection and resolution methods, as a minimum, must be discussed. Principal subcontractors must be included in this discussion.	2.2
C. Project Facilities	
The proposal must define facility requirements and	2.3
present corporate plans to acquire such facilities on a schedule commensurate with project requirements.	2.3
Potential project risks related to facilities must be discussed.	2.3

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Volume: III - Management

Section: 20.1.2

Proposal Evaluation Criteria

PROPOSAL
SECTION
NUMBER

20.1.2.1 Corporate Commitment

The extent to which the corporation is clearly committed to provide the resources necessary to insure that the D/C Segment meets its objectiveness on schedule and within cost.

2.0

The clarity and soundness of the corporate plans to monitor and control the project

2.2

with emphasis on the visibility provided this project within the corporate structure

2.1, 2.2

The clarity, completeness and soundness of the contractor plans for providing adequate facilities for the performance of this contract.

2.3

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Volume: III - Management

Section: 3. Project Management

A. Organization

The contractor must present a clear description of the project organization including the organization of the major subcontractors. 3.1, 3.1.1

Defined responsibilities and the Organizational Break-down Structure (OBS) must be related to the WBS and SOW. 3.1.2

Responsibilities for deliverables items must be explicitly defined. 3.1.2, 3.3

B. Project Management

The proposal must present a clear and concise manner an overview of the project management plan. 3.2.1, 3.2.2

Policies, procedures and methodologies in tasking, review and reporting as a minimum must be presented. 3.0, 3.2.1, 3.2.2, 3.3

The plan must relate to the project control discussion in Section 4 and the project plan discussed in Section 5. 3.2.1, 3.2.2

Provisions for interacting with the Government and providing visibility to the Government must be discussed. 3.2.1, 3.2.2, 3.3

The extent of the project manager's authority over all resources must be discussed. 3.2

C. Subcontractor Management

The subcontractor management plan must be presented. 3.3
Subcontractors responsibilities, review procedures, Government visibility and the interrelationship of all subcontractors must be discussed as a minimum.

D. Security

The contractor must present an overview of the proposed security plan in a manner such that the sponsor is assured that the contractor can and will satisfactorily comply with security requirements. 3.4, 3.4.1, 3.4.2

As a minimum, facility, ADP, personnel, access control, and document control shall be discussed. 3.4.1, 3.4.2

E. Issues

The contractor shall present a clear and comprehensive discussion of all programmatic issues of concern and shall provide suggestions for resolving the issues. 3.5

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Volume: III - Management

Section: 20.1.2

Proposal Evaluation Criteria

PROPOSAL
SECTION
Number

20.1.2.2 Project Management

The soundness of the project organization,	3.1, 3.1.1
the clarity of defined organizational responsibilities and the degree to which responsibilities related to the WBS.	3.1.2, 3.2
The clarity, completeness, consistency and soundness of the project management plan	3.2.1, 3.2.2
with emphasis on the subcontractor management plans and	3.2.1, 3.3
relationship to the project control plans and segment development plans.	3.2.1, 3.3
The effectiveness and appropriations of the project issues surfaced and recommendations made.	3.5
The acceptability of the project security plans.	3.4, 3.4.1, 3.4.2
The completeness, conciseness and clarity of the Statement of Work with emphasis on the degree of adherence and traceability to the WBS and extent to which the SOW manifests the Program Implementation Directive guidelines.	B1, 3.1.2

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Volume: III - Management

Section: 4. Program Control

Proposal Preparation Instructions

**PROPOSAL
SECTION
NUMBER**

A. Plans and Methodology

The contractor must present a complete and concise discussion of how project management intends to control this project.

4.0 (all)

Approaches, methodologies, tools and related experience must be discussed.

4.0 (all)

Plans for control of subcontractors must be addressed

4.1, 4.2.1,
4.3, 4.4,
4.5

methods for early detection and resolution of problems shall be discussed.

4.1, 4.2.1,
4.2.2

B. Cost and Schedule Control

A clear presentation of cost and schedule control and reporting methods must be presented.

4.2 (all)

Subcontractor internal controls must be addressed.

4.2.1

Provisions for sponsor visibility must be discussed.

4.1, 4.2.1,
4.2.2

C. Quality Assurance

The contractor must present an overview of the project quality assurance plan such that the sponsor is assured that the program is adequate and that a quality controlled product will be delivered.

4.3

D. Configuration Management

The contractor must present an overview of the project configuration management plan such that the sponsor is assured that the plan is adequate and capable of providing the type and quality of control required in a project of this scope.

4.4

E. Logistics Management

The contractor must present a comprehensive overview of his proposed logistics management plan.

4.5

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Volume: III - Management

Section: 20.1.2

Proposal Evaluation Criteria

PROPOSAL
SECTION
NUMBER

20.1.2.3 Program Control

The clarity and soundness of proposed plans and methodologies for planning, controlling and reporting the activities of this project to ensure an on-schedule, within cost delivery.

4.0 (all)

The completeness and soundness of the plans for maintaining cost and schedule control and appropriate reporting to the sponsor.

4.2 (all)

The degree to which the contractor demonstrates an adequate quality assurance program.

4.3

The degree to which the contractor demonstrates an effective Configuration Management plan.

4.4

The extend and soundness of the Contractor's Logistics Management Plan.

4.5

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Volume: III - Management

Section: 5. Project Plans

Proposal Preparation Instructions

PROPOSAL
SECTION
NUMBER

A. Master Schedule

The contractor must provide a comprehensive project schedule showing, as a minimum, all project milestones, major program reviews, major internal reviews, deliverables, test activity and transition activities. Phased or incremental program reviews must be justified if presented.

5.1

B. System Engineering

The proposal must present a comprehensive overview of the system engineering plan.

5.2 (all)

The plan must discuss the organization and responsibilities of the System Engineering group:

5.2.1

Objectives and plans for the analysis of requirements, design, performance and risk;

5.2.2, 5.2.3

plans for trade studies;

5.2.2

participation in interface control, test, configuration management, logistics support, and performance monitoring;

5.2.3

provisions for design reviews;

5.2.2, 5.2.3

schedules; and

5.2.3

methodologies and tools.

5.2.2

There should be adequate traceability from the plan to the OBS and the Statement of Work.

5.2.1

C. Software Development

The proposal must present a comprehensive overview of the software development plan.

5.3 (all)

The plan must provide an adequate discussion of the organization and responsibilities of the software development groups; software management and

5.3.1

technical control methods; software QA methodology;

5.3.2

schedule and milestones;

5.3.3

configuration control; documentation and training methods; standards; and methodologies and tools.

5.3.2

There should be adequate traceability from the plan to the OBS and the Statement of Work.

5.3.1

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Volume: III - Management

Section: 5. Project Plans

D. Hardware Development

The proposal must present a comprehensive overview of the hardware development plan. 5.4

Organization and responsibilities must be discussed. 5.4.1

Management and technical control methods and plans must be presented. 5.4.2

A detailed schedule and discussion of milestones must be included. 5.4.3

There should be adequate traceability from the plan to the OBS and the Statement of Work. 5.4.1

E. Verification and Test

The proposal must present a clear, concise and comprehensive overview of the contractor's approach to segment verification and an overview of the segment test plan. 5.5 (all)

The verification plan must discuss methodology of test and traceability of requirements into the test plan. 5.5.2

The segment test plan must define that set of tests which will be required throughout the development, integration, factory test and site acceptance phases and shall discuss testing philosophy, methods and tools. 5.5.2, 5.5.3

F. Operations and Maintenance Plan

The proposal must present a clear, concise and comprehensive overview of the Contractor's proposed Operations and Maintenance Plan. 5.6 (all)

The overview must discuss, through FOC, the O&M organization, philosophy, responsibilities, staffing, work flow, reporting mechanisms, configuration control, problem reporting and resolution, and the site versus factory role. 5.6.1, 5.6.2

G. The proposal must present a brief description of the Contractor's plans for training of the Government instructors. 5.7 (all)

User and Operator training packages must be discussed. 5.7.1

Facility requirements, computer system requirements and impacts, Government personnel requirements, and training approach and concepts, as a minimum, must also be discussed. 5.7.1, 5.7.2, 5.7.3

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Volume: III - Management

Section: 20.1.2

Proposal Evaluation Criteria

PROPOSAL
SECTION
NUMBER

20.1.2.5 Project Plans

The comprehensiveness, logic and credibility of the Project Schedule.

5.1

The extent to which the contractor demonstrates a complete, coherent and timely System Engineering Plan, demonstrate as appropriate use of methodologies and tools

5.2 (all)

5.2.2

identifies appropriate studies and trates, and relates to the SOW and the other plans.

5.2.2

5.2.1

The clarity, completeness and reasonableness of the software and hardware development plans with emphasis on

5.3 (all),

5.4 (all)

methodologies, tools, responsibilities and credibility.

5.3.1, 5.3.2,

5.4.1, 5.4.2

The degree of compatibility with SOW tasks and Project Schedules.

5.3.1, 5.4.2

The clarity and completeness, consistency and adequacy of the segment verification and test plans.

5.5 (all)

The clarity and completeness of the O&M plan with emphasis on

5.6

organization definition, staffing requirements, position responsibilities and O&M philosophy.

5.6.1, 5.6.2

The clarity and completeness of the training plan with emphasis on the schedule, resource requirements, and deliverables.

5.7 (all)

The extent to which subcontractor roles and responsibilities are clearly defined.

5.2.1, 5.3.1,

5.4.1, 5.5.1,

5.6.1, 5.7.1

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Volume: III - Management

Section: 6. Personnel

Proposal Preparation Instructions

PROPOSAL
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NUMBER

A. Key Personnel

The contractor must identify and justify all key project positions and identify the person who shall be committed to that position. Resumes are required to present the qualifications of these people. The contractor must show that all key personnel are cleared or immediately clearable on the day of contract award.

6.1

B. Staffing Plans

The proposal must present a clear and unambiguous definition of development staffing needs. A staffing profile by fiscal year by skill and year must be presented.

6.2

The contractor must supply convincing evidence that the people required can be made available in the time frames needed.

6.2

Plans for acquiring these people must be presented.

6.1, 6.2

Career management authority and reporting responsibilities for project personnel must be discussed.

6.2

C. Clearances

The proposal must reflect the clearance requirements for the non-key personnel and substantiate that the personnel being made available are cleared, clearable or can reasonably expect to be cleared by the time they are needed.

6.2

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Volume: III - Management

Section: 20.1.2

Proposal Evaluation Criteria

PROPOSAL
SECTION
NUMBER

20.1.2.4 Personnel

The identification of key management and technical positions and

6.1

the commitment of cleared, experienced and appropriate personnel to those positions.

6.1, 6.2

The clarity, completeness and credibility of the manning profile and staffing plan with

6.2

emphasis on the depth of corporate resources with adequate security clearances available in a timely manner to provide the necessary staffing.

6.2

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Volume: III - Management

Section: 7. Experience and Past Performance

Proposal Preparation Instructions

The Contractor must discuss previous experience that is directly correlated with this project either in size, scope, technical performance or methodologies employed. Final cost, schedule and technical performance must be summarized for each project. Each project discussion must include a name, address and telephone number of the Contracting Officer.

PROPOSAL
SECTION
NUMBER

7.0

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Volume: III - Management

Section: 20.1.2

Proposal Evaluation Criteria

PROPOSAL
SECTION
NUMBER

20.1.2.6 Experience and Past Performance

The degree to which the contractor relates appropriate
experience and correlates the experience to this task.
The degree of demonstrated cost, schedule, and technical
performance sources on previous projects.

7.0 (all)

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Volume: III - Management

Section: 8. Alternate Management Approaches

Proposal Preparation Instructions

PROPOSAL
SECTION
NUMBER

All Offeror recommendations which will provide the sponsor with management or programmatic options for reducing the risk or costs associated with meeting the D/C Segment milestone requirements shall be consolidated in this section. Reference to other proposal sections should be made where appropriate.

8.0

The contractor shall specifically discuss the programmatic impacts of the Government directed detailed in Section II, Specific Instructions, P. II-12, Section 10, Alternate Technical Approaches as amended.

8.0

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Volume: III - Management

Section: 20.1.2

Proposal Evaluation Criteria

PROPOSAL
SECTION
NUMBER

20.1.2.8 Alternate Management Approach

The degree of risk and/or cost reduction of the alternate management approaches to meeting the D/C Segment requirements.

8.0

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COST PROPOSAL

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Volume: IV

Section: 2. Introduction

Proposal Preparation Instructions

Provide an overview of project costs, assumptions,
and cost drivers.

PROPOSAL
SECTION
NUMBER

2.1, 2.2
2.3

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Volume: IV

Section: 3. Project Data

	PROPOSAL SECTION NUMBER
Proposal Preparation Instructions	
A. DD633	3.1
B. Price (\$) by GWBS Level 2 Element by FY82-87	3.2
Provide TOTAL PRICE for each GWBS level 2 element in the format shown as EXHIBIT 1. Include forward pricing rates and inflation as appropriate.	
C. Price (\$) by FY82-87 in 82 Dollars	3.3
Provide TOTAL PRICE for each fiscal years in constant 1982 dollars using the format shown as EXHIBIT 2.	
D. Manhours by GWBS Level 2 Element by FY82-87	3.4
Provide TOTAL MANHOURS for each GWBS level 2 element in the format show as EXHIBIT 3. Provide total manhours for prime contractor and each principal subcontractor for each GWBS level 2 element in format shown as EXHIBIT 3. Use separate sheet for each contractor.	
E. Distribution By Organization of GWBS Level 2 Element Manhours	3.5
Provide percent of TOTAL MANHOURS per GWBS level 2 for PRIME and each SUBCONTRACTOR. Use the format shown as EXHIBIT 4.	
F. Price (\$) For Non-Labor By GWBS Level 2 Elements By FY82-87	3.6
Provide the Total Price of Non-labor (Total Price Minus Price for Direct Labor) in the format shown as EXHIBIT 1.	
G. Cost (\$) For GFE	3.7
Provide the cost for all GFE by GWBS level 2 element by FY82-87 in the format shown as EXHIBIT 1.	

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Volume: IV

Section: 4. Contractor Data

PROPOSAL
SECTION
NUMBER

Proporsal Preparation Instructions

Repeat the following information for the Prime Contractor and each principal Subcontractor.

A. Backup Data

4.1

1. Labor Skills and Rates -

4.1.1

Provide an explanation of labor skill levels and rates.

Give examples by name of personnel working on the DCP contract for each skill level.

Indicate if the base labor rate is based on 2,080 hours or a lesser number of hours.

Describe accounting and estimating procedures for vacation, sick leave, holidays, etc.

Indicate estimated number of days for each paid leave category and basis therefore.

Furnish the company overtime premioums and night differentials and under what conditions.

2. Other Rates

4.1.2

Provide information on rate determination for overhead, CAS 414, travel/TDY, inflation, and any other rates pertinent to your proposal.

3. Travel Costs

4.1.3

Provide a list of travel by FY82-87 giving destination purpose, # of people and # of days grouped by destination or purpose.

B. Organizational Breakdown Structure To GWBS Matrix

4.2

Provide the Company organization breakdown structure as it will be applied to the GWBS by manhours.

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Volume: IV

Section: 5. Assumptions

Proposal Preparation Instructions

Provide a complete discussion of all assumptions
used to develop the costs contained in this proposal.

Reference all discussions to the pertinent GWBS elements.

PROPOSAL
SECTION
NUMBER

5.1 through
5.12

5.1 through
5.12

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Volume: IV

Section: 6. Cost Drivers

Proposal Preparation Instructions

Provide a complete discussion of all key cost drivers including explicit references to all affected GWBS elements.

References to discussions in the Technical and Management Volumes should also be included as appropriate.

PROPOSAL
SECTION
NUMBER

6.1 through
6.7

6.1 through
6.7

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Volume: IV

Section: 7. Fee Provisions

Proposal Preparation Instructions

Provide a complete discussion of proposal
fee provisions.

PROPOSAL
SECTION
NUMBER

7.1 through
7.5

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Volume: IV

Section: 8. Offeror Schedule of Funding Requirements

PROPOSAL
SECTION
NUMBER

Proposal Preparation Instructions

Offerors are requested to provide a schedule of their funding requirements, including the following performance periods:

8.

Award to 30 September 1982

1 October 1982 to 30 September 1983

1 October 1983 to 30 September 1984

1 October 1984 to 30 September 1985

1 October 1985 to 30 September 1986

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Volume: IV

Section: 20.1.3 Cost

Proposal Evaluation Criteria

20.1.3.1 Cost Magnitude

The magnitude of the proposed total D/C Segment cost and the appropriateness of phasing for BOC, IOC and FOC.

**PROPOSAL
SECTION
NUMBER**

2.1, 3.1,
3.2, 3.3, 8,
C6, C7, C8

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Volume: IV

Section: 20.1.3 Cost

Proposal Evaluation Criteria

20.1.3.2 Cost Drivers

The scope, significance, degree of definition,
and clarity of key cost drivers.

PROPOSAL
SECTION
NUMBER

6.1 through
6.7
C9, C11

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Volume: IV

Section: 20.1.3 Cost

Proposal Evaluation Criteria

20.1.3.3 Reasonableness

The degree of reasonableness, adequacy and credibility of all manpower and other direct costs.

The extent to which assumptions and risk consideration have been made clear.

PROPOSAL
SECTION
NUMBER

2.1, 2.3,
4.1, 4.3, C1

2.2, 5.1
through 5.12

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Volume: IV

Section: 20.1.3 Cost

Proposal Evaluation Criteria

20.1.3.4 Substantiation

The extent to which the contractor has substantiated how segment costs were derived and adequately related them to the cost assumptions and risk consideration.

PROPOSAL
SECTION
NUMBER

3.1 through
3.7, 4.3
C1, C10
5.1 through
5.12

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Volume: IV

Section: 20.1.3 Cost

Proposal Evaluation Criteria

20.1.3.5 Completeness

The extent to which the proposal adheres to the RFP guidance and contains all necessary supporting data.

PROPOSAL
SECTION
NUMBER

2.1, 4.1,
4.2, 8.

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Volume: IV

Section: 20.1.3 Cost

Proposal Evaluation Criteria

20.1.3.6 Traceability

The degree to which the proposal is consistent regarding traceability into the CWBS, Technical and Management Volumes, Statement of Work, and from higher to lower levels of cost breakout.

PROPOSAL
SECTION
NUMBER

4.3
C1 through
C5, C10

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Volume: IV

Section: 20.1.3 Cost

Proposal Evaluation Criteria

20.1.3.7 Clarity

The extent to which all narrative, tables, graphs, etc., present a clear and unambiguous proposal.

The degree to which the contractor successfully isolated BOC, IOC, and FOC costs.

PROPOSAL
SECTION
NUMBER

5.2
C6 through
C8
5.2
C6 through
C8

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Volume: IV

Section: 20.1.3 Cost

Proposal Evaluation Criteria

20.1.3.8 Fee Provision

The extent to which the contractor has developed innovative fee provisions which provide incentives to economically achieve the desired performance delivered on schedule at target cost.

The extent to which the contractor is prepared to share risk.

PROPOSAL
SECTION
NUMBER

7.

7.

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ALTERNATE CONFIGURATION
ANALYSIS

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Volume: V

Section:

RFP Instruction

2.4.2.5 Volume V - Alternate Configuration Analysis

The contractor shall present a competitive, alternate vendor, hardware configuration which will support the proposed design in Volume II.

Associated costs and potential project impacts must be discussed.

PROPOSAL
SECTION
NUMBER

VOLUME V

1, 2

2, 3

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Volume: V

Section: 1

RFP Instruction

PROPOSAL
SECTION
NUMBER

Section 1. Hardware Configuration

The FOC hardware configuration, by CI, must be presented

1.2

to a level equivalent to that presented in Volume II
for the preferred alternative.

1.2

Where one-to-one replacements are not possible or feasible,
the alternatives must be clearly presented.

1.2

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Volume: V

Section: 2

RFP Instruction

PROPOSAL
SECTION
NUMBER

SECTION 2. IMPACTS

The contractor must present a complete discussion of potential design impacts and risks,

2.1, 2.5

development impacts and risks,

2.2, 2.5

schedule impacts and risks and

2.3, 2.5

performance impacts and risks if the Government should choose the alternate configuration.

2.4

Complete and rational justification is required. justification is required.

2.1, 2.2,
2.3, 2.4**UNCLASSIFIED**

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Volume: V

Section: 3

RFP Instruction

**PROPOSAL
SECTION
NUMBER****SECTION 3. COST**

The contractor must present ROM cost deltas at level 2 of the GWBS that reflect the effort required to implement the recommended design on the alternate hardware configuration.

3.0

Use the format shown in EXHIBIT 1.

3.0

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Volume: V - Alternate Configuration Analysis

Section: 20.1.4 Alternate Configuration Analysis

Proposal Evaluation Criteria

PROPOSAL SECTION NUMBER

20.1.4.1 CREDIBILITY

The extent to which the contractor has credibility and adequately configured an alternate hardware configuration for the proposed design.

1.1, 1.2

20.1.4.2 IMPACTS

The extent to which the contractor has effectively evaluated and discussed the impacts of the alternate configuration on the proposed SOW tasks.

2.1, 2.2,
2.3, 2.4,
2.5

20.1.4.3 COST

The magnitude, reasonableness, completeness, consistency and clarity of costs and the degree to which the costs have been substantiated.

3.0

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